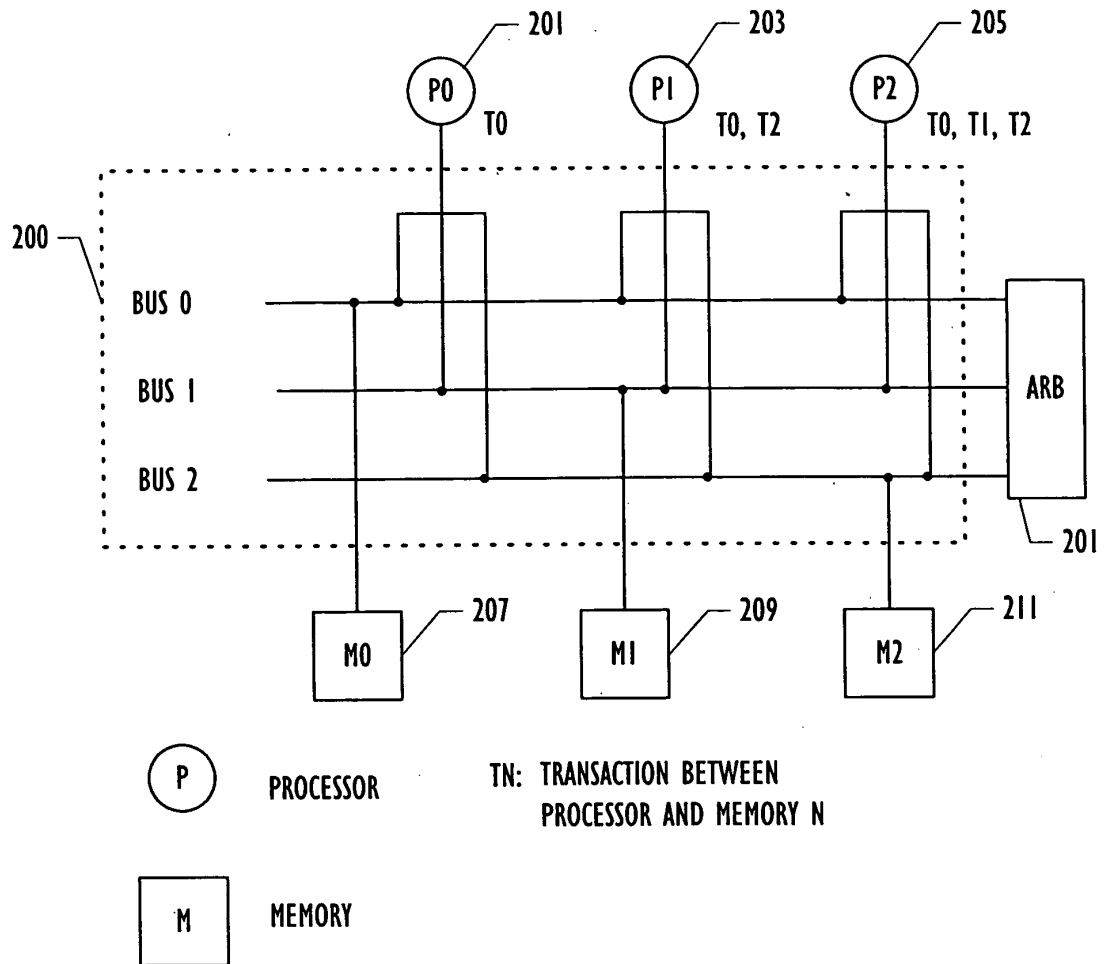
**FIG. I**



**FIG. 2**

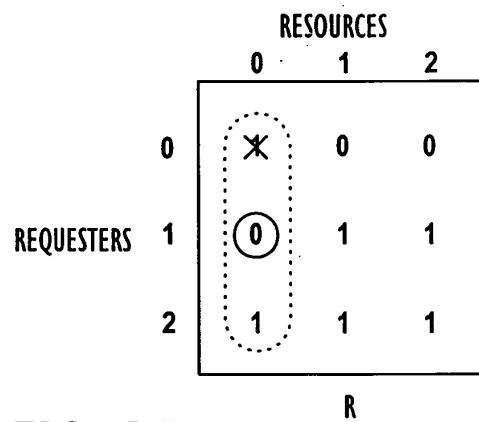


FIG. 3A

I	J	RES	NRQ
1	0	0	nrq[0] = 1 nrq[1] = 2 nrq[2] = 3

○ ROUND-ROBIN POSITION  
× GRANTED REQUEST

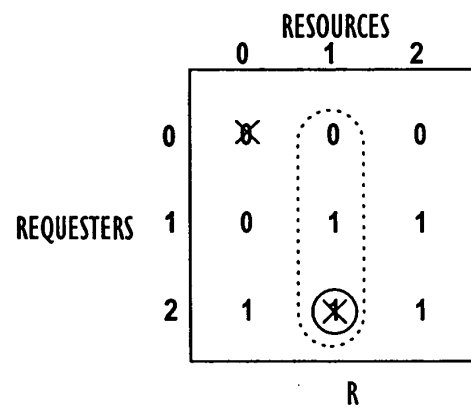


FIG. 3B

I	J	RES	NRQ
1	0	1	nrq[0] = 0 nrq[1] = 2 nrq[2] = 2

○ ROUND-ROBIN POSITION  
× GRANTED REQUEST

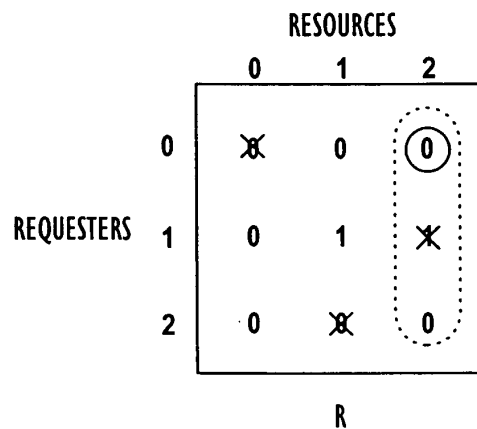
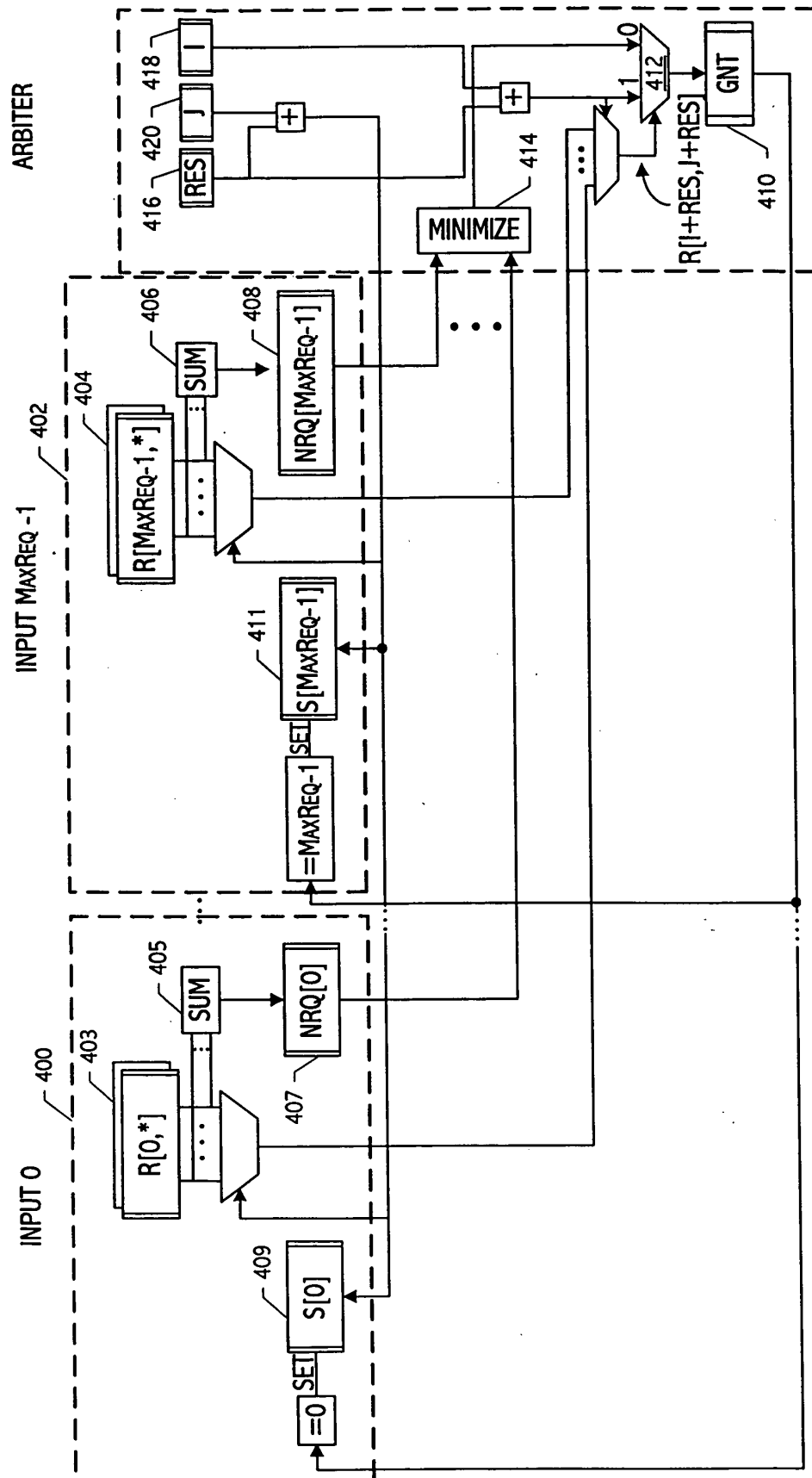


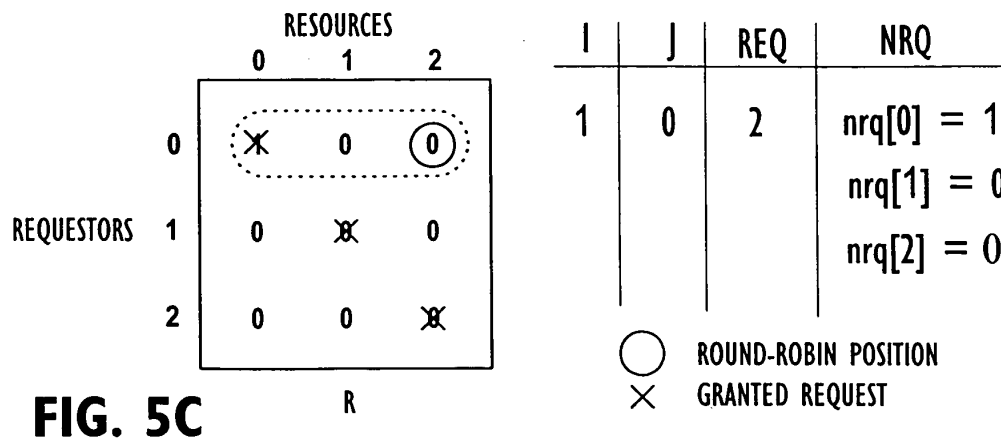
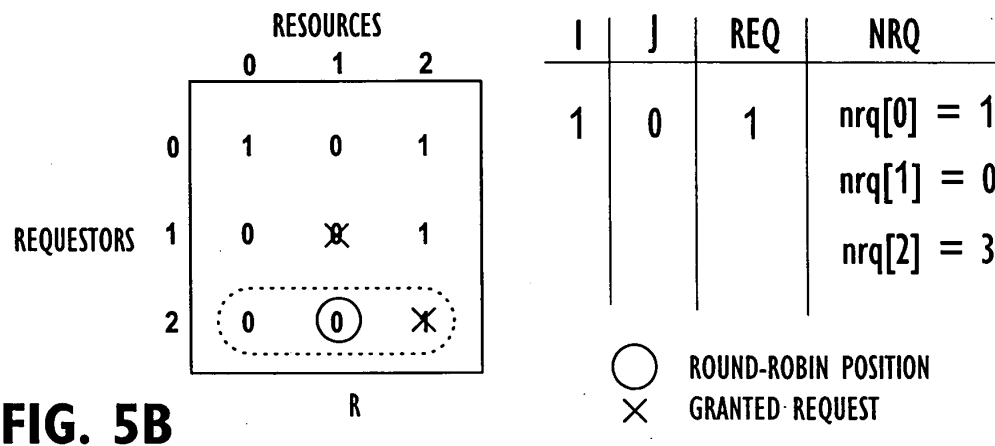
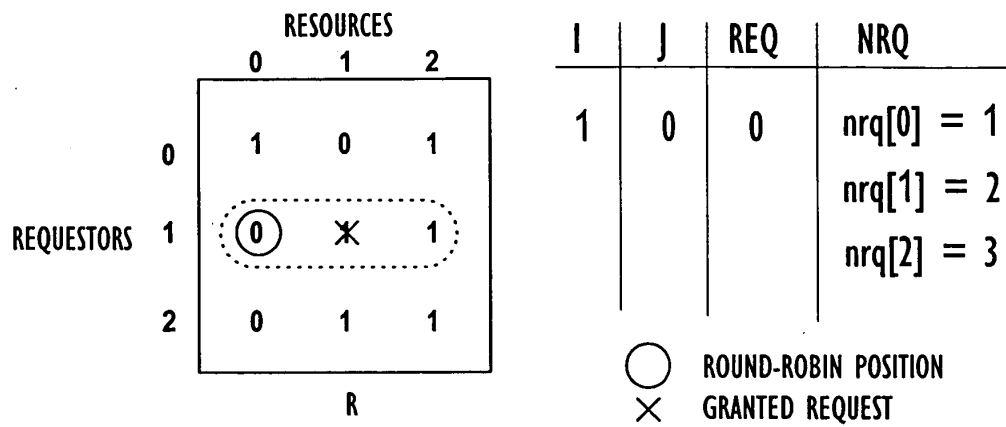
FIG. 3C

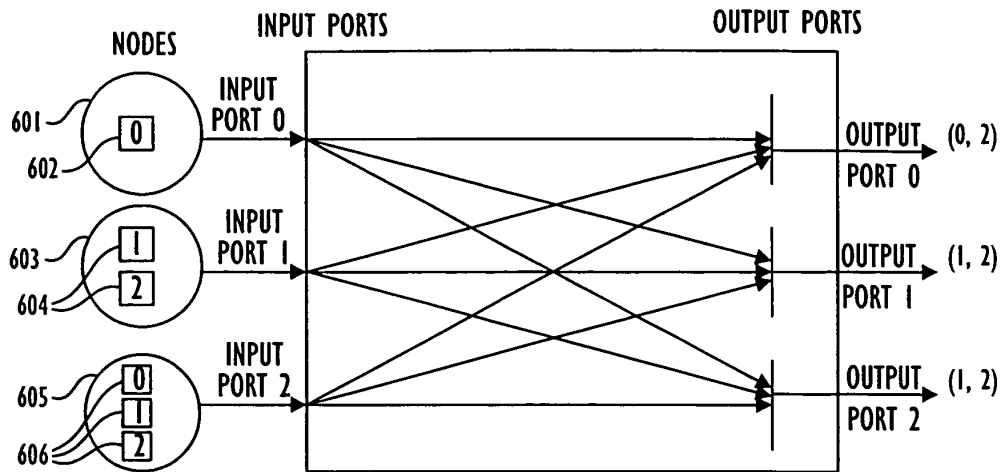
I	J	RES	NRQ
1	0	2	nrq[0] = 0 nrq[1] = 1 nrq[2] = 0

○ ROUND-ROBIN POSITION  
× GRANTED REQUEST

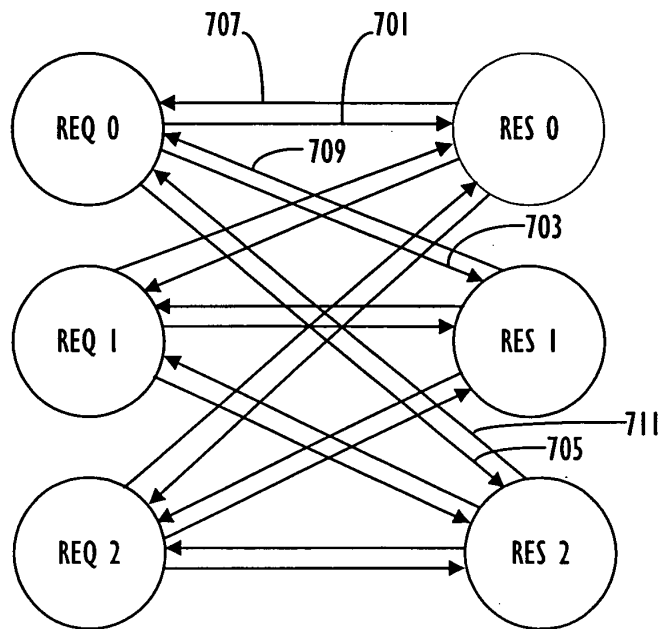


**FIG. 4**





**FIG. 6**



**FIG. 7**

	Output Port 0	Output Port 1	Output Port 2
REQUEST VECTOR 0	1	0	0
REQUEST VECTOR 1	0	1	1
REQUEST VECTOR 2	1	1	1

**FIG. 8**